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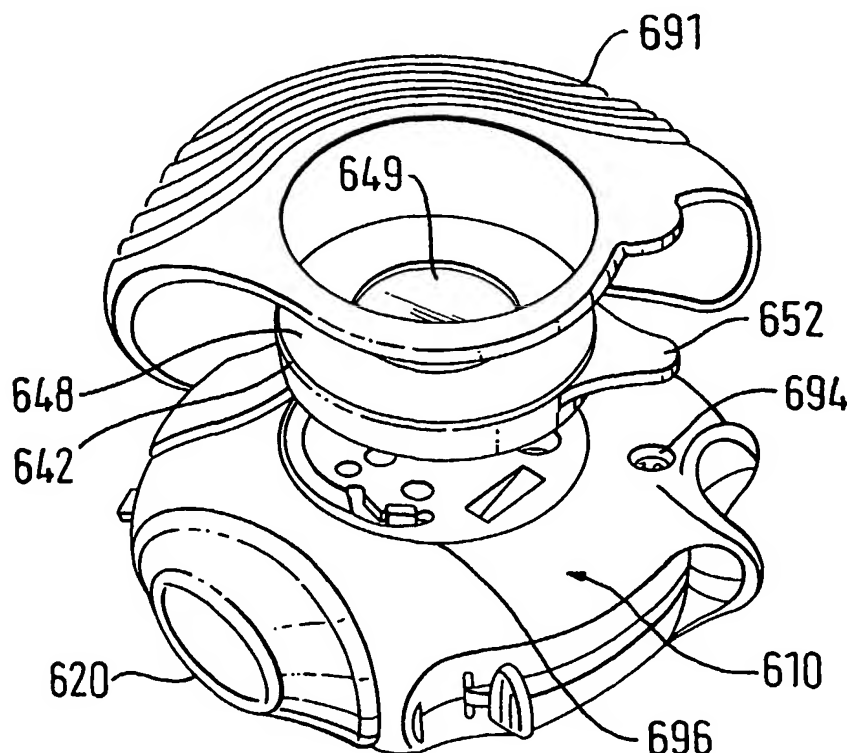
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- Published:
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[Continued on next page]

(54) Title: **MEDICAMENT DISPENSER**



(57) Abstract: There is provided a medicament dispenser for use with a medicament carrier having multiple distinct medicament doses carried thereby and an internal mechanism for dispensing the distinct medicament doses carried by said medicament carrier. The mechanism comprises receiving means for receiving the medicament carrier; release means for releasing a distinct medicament dose from the medicament carrier on receipt thereof by said receiving means; an outlet (620), positioned to be in communication with the medicament dose releasable by said release means; indexing means for individually indexing the distinct medicament doses of the medicament carrier; and counting means (649) for counting each time a distinct medicament dose of the medicament carrier is indexed by said indexing means. The counting means is a distinct electronic counter unit that is reversibly receivable by the medicament dispenser.

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/07937

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B65D83/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B65D A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 6 360 739 B1 (GODFREY JAMES WILLIAM ET AL) 26 March 2002 (2002-03-26) column 2, line 47 -column 7, line 20; figures 1,7	1,2,5,6, 9-12,14 3,4,7,8, 15, 20-22,24
X	WO 86 02275 A (DRACO AB) 24 April 1986 (1986-04-24) page 7, line 4 - line 7; figure 5	16,17,19
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	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- "&" document member of the same patent family

Date of the actual completion of the international search

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07.01.04

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INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	page 34, line 5 - line 25 page 39, line 4 - line 25; figure 1 ---	23,25
Y	US 5 544 647 A (EBELING FREDERICK A ET AL) 13 August 1996 (1996-08-13) figures 1,5 ---	3,4,15
Y	US 6 029 659 A (O'CONNOR JAMES A) 29 February 2000 (2000-02-29) figure 5 ---	7,8
A	"LE DISTRIBUTEUR A RUBAN DISKUS" ANNALES FRANCAISES DE CHRONOMETRIE ET DE MICROTECHNIQUE, OBSERVATOIRE DE BESANCON. BESANCON, FR, vol. 47, 1998, pages 97-105, XP000830919 ISSN: 0294-1228 page 99; figure VUE ---	1
A	US 2002/066451 A1 (DAVIES MICHAEL BIRSHA ET AL) 6 June 2002 (2002-06-06) paragraph '0051! -----	1

INTERNATIONAL SEARCH REPORT

International application No.
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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; It is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-15

A medicament dispenser for use with a medicament carrier having multiple distinct medicament doses carried thereby, comprising:

indexing means and counting means for counting each time a distinct medicament dose of the medicament carrier is indexed by said indexing means

wherein said counting means is provided as a distinct electronic counter unit that is reversibly receivable by the medicament dispenser

2. Claims: 16-25

A medicament dispenser for use with a medicament carrier having multiple distinct medicament doses carried thereby, comprising indexing means and analogue counting means for counting each time a distinct medicament dose of the medicament carrier is indexed by said indexing means and manipulating means to manipulate an analogue count indicium provided by said analogue counting means

INTERNATIONAL SEARCH REPORT

Information on patent family members

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